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## INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 03/00049

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: B66C 13/46, B66C 13/08, A01G 23/00, G05D 3/18 // E02F 3/36**  
 According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: B66C, E02F, G05D, A01G, G01D**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA, PAJ**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5071184 A (DESSAUX), 10 December 1991 (10.12.91), column 4, line 44 - line 54; column 5, line 26 - line 42, abstract	1-4,8-9
Y	--	5-7,10
Y	US 4042272 A (GÖTZEN), 16 August 1977 (16.08.77), column 4, line 30 - column 6, line 9, figures 1-3, abstract	5-7,10
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 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

11 April 2003

Date of mailing of the international search report

24-04-2003

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International application No.
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EPODOC 'Online! EUROPEAN PATENT OFFICE, THE HAGUE, NL; abstract & NL 9301243 A (AANNEMERS VER METSEL- WERKEN AVM) ET AL 1 February 1995 (1995-02-01), fig 1-2  --	1,9
X	PATENT ABSTRACTS OF JAPAN vol. 018 no.487 (M1671) 12 September 1994 (1994-09-12) & JP 6156970 A (JAPAN AVIATION ELECTRON IND LTD), 03 June 1994 (1994-06-03) fig 1-2, abstract  --	1,9
P,X	WO 0218714 A1 (HOWARTH, LEON T), 7 March 2002 (07.03.02), page 5, line 10 - line 13; page 7, line 1 - line 8  --	1,9
A	SE 9402227 A (CHRISTER LENNARTSSON), 24 December 1995 (24.12.95), figures 1-2, abstract  --	7-8
A	WO 9937136 (ROTOBEC INC), 29 July 1999 (29.07.99), figures 1-5, abstract  -----	5-6,8

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 5071184 A	10/12/91	AT 83216 T		15/12/92
		CN 1027533 B		01/02/95
		CN 1049319 A		20/02/91
		CS 9003546 A		17/12/91
		DD 298898 A		19/03/92
		DE 69000566 D,T		03/06/93
		EP 0409748 A,B		23/01/91
		ES 2036900 T		01/06/93
		FR 2649966 A,B		25/01/91
		JP 3051295 A		05/03/91
		RU 2034771 C		10/05/95
<hr/>		<hr/>		
US 4042272 A	16/08/77	DE 2428566 A		08/01/76
		GB 1476574 A		16/06/77
		JP 51013105 A		02/02/76
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WO 0218714 A1	07/03/02	AU 8371101 A		13/03/02
		AU PQ977400 D		00/00/00
<hr/>		<hr/>		
SE 9402227 A	24/12/95	NONE		
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WO 9937136	29/07/99	AU 1958099 A		09/08/99
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